Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/16/2020 09:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126462	1	2.91	126591	2.88
Blue	F	SSC	125000	124074	-1	2.06	124835	2.07
Blue	E	FITC	15892	15468	-3	2.95	337	21.18
Blue	D	PE	29999	29406	-2	2.01	641	15.06
Blue	B	PerCP-Cy5-5	43732	43409	-1	3.87	1164	21.64
Blue	A	PE-Cy7	30845	30953	0	6.32	589	43.84
Red	C	APC	46112	44567	-4	2.51	1575	12.13
Red	A	APC-Cy7	30458	29428	-4	2.41	778	12.17
Violet	B	V450	7918	7630	-4	4.04	431	13.45
Violet	A	V500	32171	31519	-3	3.85	737	10.89

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17386	16.04	653	32	N/A	N/A	Pass
Blue	F	SSC	56643	1.48	579	20	N/A	N/A	Pass
Blue	E	FITC	62	67.39	552	9	0.0180	165	Pass
Blue	D	PE	133	52.05	558	10	0.1614	300	Pass
Blue	B	PerCP-Cy5-5	212	52.39	666	10	0.0079	32	Pass
Blue	A	PE-Cy7	106	110.70	712	14	0.0094	16	Pass
Red	C	APC	377	25.10	589	5	0.0244	135	Pass
Red	A	APC-Cy7	171	29.65	561	5	0.0054	1144	Pass
Violet	B	V450	66	60.65	463	5	0.0456	1909	Pass
Violet	A	V500	110	37.74	479	5	0.0215	1234	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/16/2020 09:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.65	-32.29	1.00
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	15.88	13.60 - 20.40	N/A	N/A	29.81	30.08	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10349

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments